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28. (New) Human spasmolytic polypeptide (hSP) characterized by being in glycosylated form.

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29. (New) The hSP of claim 28 glycosylated is at Asn 15.

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30. (New) The hSP of claim 28, wherein the glycosylated form comprises a glycosylated side chain comprising at least one hexose unit.

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31. (New) The hSP of claim 30, wherein the glycosylated side chain comprises at least one mannose unit.

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32. (New) The hSP of claim 31, wherein the glycosylated side chain comprises 13-17 mannose units.

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33. (New) The hSP of claim 28, wherein the glycosylated form comprises at least one unit of N-acetyl glucosamine (GlcNAc).

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34. (New) The hSP of claim 28, wherein the glycosylated form comprises (GlcNAc)₂(Man)₁₀₋₁₅.

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35. (New) A method of preparing glycosylated human spasmolytic polypeptide (hSP), wherein said hSP has the amino acid sequence of SEQ ID NO:1 and is at least 60% glycosylated, comprising:

(a) transforming a host cell with a DNA fragment encoding said hSP and capable of providing glycosylation of said hSP;

(b) culturing said transformed cell under conditions permitting production of said hSP;
and

(c) recovering the resulting spasmolytic polypeptide from the culture.

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36. (New) The method of claim 35, wherein the host cell is a yeast cell or a filamentous fungus cell.